



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ronald L. Spross  
Serial No. : 10/628,152  
Filed : July 28, 2003  
Title : METHODS FOR DETERMINING CHARACTERISTICS OF EARTH FORMATIONS

Art Unit : Unknown  
Examiner : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Under 35 U.S.C. §120, this application relies on the earlier filing date of application serial number 09/970,370, filed on October 2, 2001. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application:

Desig. IDs:

US 5,513,528 (Holenka et al) May 7, 1996  
US 5,486,695 (Schultz et al) Jan. 23, 1996  
US 5,473,158 (Holenka et al) Dec. 5, 1995  
US 5,451,779 (Spross et al) Sep. 19, 1995  
US 5,397,893 (Minette) Mar. 14, 1995  
US 5,091,644 (Minette) Feb. 25, 1992  
US 5,017,778 (Wraight) May 21, 1991

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 20, 2003

Date of Deposit

Signature *Pat Bradford*

Pat Bradford

Typed or Printed Name of Person Signing Certificate

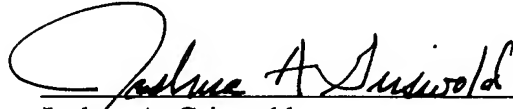
Applicant : Ronald L. Spross  
Serial No. : 10/628,152  
Filed : July 28, 2003  
Page : 2 of 2

Attorney's Docket No.: 15834-008002 /  
2001-IP-004988

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/17/03

  
Joshua A. Griswold  
Reg. No. 46,310

Fish & Richardson P.C.  
5000 Bank One Center  
1717 Main Street  
Dallas, Texas 75201  
Telephone: (214) 292-4034  
Facsimile: (214) 747-2091



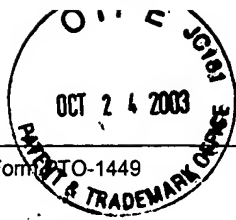
Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>15834-008002</b>	Application No. <b>10/628,152</b>
	Applicant <b>Ronald L. Spross</b>		
	Filing Date <b>July 28, 2003</b>	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,513,528	05/07/1996	Holenka et al.			
	AB	5,486,695	01/23/1996	Schultz et al.			
	AC	5,473,158	12/05/1995	Holenka et al.			
	AD	5,465,799	11/14/1995	Ho			
	AE	5,451,779	09/19/1995	Spross et al.			
	AF	5,397,893	03/14/1995	Minette			
	AG	5,200,705	04/06/1993	Clark et al.			
	AH	5,091,644	02/25/1992	Minette			
	AI	5,045,795	09/03/1991	Gianzero et al.			
	AJ	5,017,778	05/21/1991	Wraight			
	AK	4,786,874	11/22/1988	Grosso et al.			
	AL	4,665,511	05/12/1987	Rodney et al.			
	AM	4,601,353	07/22/1986	Schuh et al.			
	AN	4,510,696	04/16/1985	Roesler			
	AO	4,163,324	08/07/1979	Russell et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AP							
	AQ							
	AR							
	AS							
	AT							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	International Search Report prepared by David Bagnell, completed March 19, 2003, mailed April 10, 2003

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>15834-008002</b>	Application No. <b>10/628,152</b>
	Applicant <b>Ronald L. Spross</b>		
	Filing Date <b>July 28, 2003</b>	Group Art Unit	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AV	"Interpretation of Directional Gamma Ray Logging Data for Hydraulic Fracture Orientation"; G.A. Simpson and L.L. Gadeken, Halliburton Logging Services, Inc.; Society of Petroleum Engineers, SPE 25851, 1993, pages 95-106
	AW	"MWD Directional-Focused Gamma Ray – A New Tool for Formation Evaluation and Drilling Control in Horizontal Wells"; Yih-Min Jan and John W. Harrell, SPWLA 28 <sup>th</sup> Annual Logging Symposium, June 29-July 2, 1987, pages 1-17
	AX	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	